PA12

Rilsamid® T80

Arkema

Position #116 · Jinsutong Reference Catalog 2026

Resin Overview

PA12 · General, Automotive. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Arkema
Category	PA12 · General, Automotive
Typical Use	General purpose injection, automotive, tubing

Key Properties

Density	1.01 g/cm³
MVR (235°C/5 kg)	20 cm³/10min
Melting Point (DSC)	178 °C
Tensile Strength at Yield	50 MPa
Elongation at Break	210%
Notched Izod Impact (23°C)	6 kJ/m²
HDT (0.45 MPa)	120 °C
Moisture Absorption (saturation)	0.7%

Key Features

- General purpose PA12
- Good mechanical properties
- Low moisture absorption
- Chemical resistance to fuels

Processing Conditions

Melt Temperature	210-260 °C
Mold Temperature	40-80 °C
Drying	4-6 h @ 80 °C in desiccant dryer
Processing Methods	Injection molding, extrusion

Typical Applications

- Automotive connectors
- Tubing and hoses
- Mechanical engineering parts
- Office equipment

Regulatory & Compliance

- RoHS compliant
- REACH registered

> ⚠ All data sourced from public manufacturer catalogs.

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